MDS-UPDRS Permissions

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MDS-UPDRS

The *Movement* Disorder Society (MDS)-sponsored new version of the UPDRS is founded on the critique that was formulated by the Task Force for Rating Scales in Parkinson's disease (*Mov Disord* 2003;18:738-750). Thereafter, the MDS recruited a Chairperson to organize a program to provide the Movement Disorder community with a new version of the UPDRS that would maintain the overall format of the original UPDRS, but address issues identified in the critique as weaknesses and ambiguities. The Chairperson identified subcommittees with chairs and members. Each part was written by the appropriate subcommittee members and then reviewed and ratified by the entire group. These members are listed below.

The MDS-UPDRS has four parts: Part I (non-motor experiences of daily living), Part II (motor experiences of daily living, Part III (motor examination) and Part IV (motor complications). Part I has two components: IA concerns a number of behaviors that are assessed by the investigator with all pertinent information from patients and caregivers, and IB is completed by the patient with or without the aid of the caregiver, but independently of the investigator. These sections can, however, be reviewed by the rater to ensure that all questions are answered clearly and the rater can help explain any perceived ambiguities. Part II is designed to be a self-administered questionnaire like Part IB, but can be reviewed by the investigator to ensure completeness and clarity. Of note, the official versions of Part IA, Part IB and Part II of the MDS-UPDRS do not have separate on or off ratings. However, for individual programs or protocols the same questions can be used separately for on and off. Part III has instructions for the rater to give or demonstrate to the patient; it is completed by the rater. Part IV has instructions for the rater and also instructions to be read to the patient. This part integrates patient-derived information with the rater's clinical observations and judgments and is completed by the rater.

The authors of this new version are:

Chairperson: Christopher G. Goetz

Part I: Werner Poewe (chair), Bruno Dubois, Anette Schrag Part II: Matthew B. Stern (chair), Anthony E. Lang, Peter A. LeWitt Part III: Stanley Fahn (chair), Joseph Jankovic, C. Warren Olanow

Part IV: Pablo Martinez-Martin (chair), Andrew Lees, Olivier Rascol, Bob van Hilten Development Standards: Glenn T. Stebbins (chair), Robert Holloway, David Nyenhuis

Appendices: Cristina Sampaio (chair), Richard Dodel, Jaime Kulisevsky Statistical Testing: Barbara Tilley (chair), Sue Leurgans, Jean Teresi,

Consultant: Stephanie Shaftman, Nancy LaPelle

Contact person: Christopher G. Goetz, MD Rush University Medical Center 1725 W. Harrison Street, Suite 755 Chicago, IL USA 60612

Telephone 312-942-8016 Email: cgoetz@rush.edu

July 1, 2008

Part I: Non-Motor Aspects of Experiences of Daily Living (nM-EDL)

Overview: This portion of the scale assesses the non-motor impact of Parkinson's disease (PD) on patients' experiences of daily living. There are 13 questions. Part 1A is administered by the rater (six questions) and focuses on complex behaviors. Part 1B is a component of the self-administered Patient Questionnaire that covers seven questions on non-motor experiences of daily living.

Part 1A

In administering Part IA, the examiner should use the following guidelines:

- 1. Mark at the top of the form the primary data source as patient, caregiver, or patient and caregiver in equal proportion.
- 2. The response to each item should refer to a period encompassing the prior week including the day on which the information is collected.
- 3. All items must have an integer rating (no half points, no missing scores). In the event that an item does not apply or cannot be rated (e.g., amputee who cannot walk), the item is marked UR for Unable to Rate.
- 4. The answers should reflect the usual level of function and words such as "usually", "generally", "most of the time" can be used with patients.
- 5. Each question has a text for you to read (Instructions to patients/caregiver). After that statement, you can elaborate and probe based on the target symptoms outlined in the Instructions to examiner. You should NOT READ the RATING OPTIONS to the patient/caregiver, because these are written in medical terminology. From the interview and probing, you will use your medical judgment to arrive at the best response.
- Patients may have co-morbidities and other medical conditions that can affect their function. You and the patient must rate the problem as it exists and do not attempt to separate elements due to Parkinson's disease from other conditions.

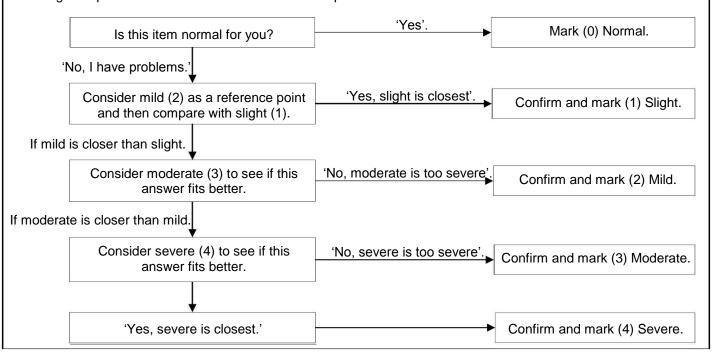
EXAMPLE OF NAVIGATING THROUGH THE RESPONSE OPTIONS FOR PART 1A

Suggested strategies for obtaining the most accurate answer:

After reading the instructions to the patient, you will need to probe the entire domain under discussion to determine Normal vs. problematic: If your questions do not identify any problem in this domain, record 0 and move on to the next question.

If your questions identify a problem in this domain, you should work next with a reference anchor at the mid-range (option 2 or Mild) to find out if the patient functions at this level, better or worse. You will not be reading the choices of responses to the patient as the responses use clinical terminology. You will be asking enough probing questions to determine the response that should be coded.

Work up and down the options with the patient to identify the most accurate response, giving a final check by excluding the options above and below the selected response.



	Patient Name or Subject ID	Site ID		Investigator's Initials
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MDS UPDRS Part I: Non-Motor Aspects of Experiences of Daily Living (nM-EDL) Part 1A: Complex behaviors: [completed by rater] Primary source of information: ☐ Patient and Caregiver in Equal Proportion ☐ Patient ☐ Caregiver To be read to the patient: I am going to ask you six questions about behaviors that you may or may not experience. Some questions concern common problems and some concern uncommon ones. If you have a problem in one of the areas, please choose the best response that describes how you have felt MOST OF THE TIME during the PAST WEEK. If you are not bothered by a problem, you can simply respond NO. I am trying to be thorough, so I may ask questions that have nothing to do with you. **SCORE** 1.1 COGNITIVE IMPAIRMENT Instructions to examiner: Consider all types of altered level of cognitive function including cognitive slowing, impaired reasoning, memory loss, deficits in attention and orientation. Rate their impact on activities of daily living as perceived by the patient and/or caregiver. Instructions to patients [and caregiver]: Over the past week have you had problems remembering things, following conversations, paying attention, thinking clearly, or finding your way around the house or in town? [If yes, examiner asks patient or caregiver to elaborate and probes for information] 0: Normal: No cognitive impairment. 1: Slight: Impairment appreciated by patient or caregiver with no concrete interference with the patient's ability to carry out normal activities and social interactions. 2: Mild: Clinically evident cognitive dysfunction, but only minimal interference with the patient's ability to carry out normal activities and social interactions. Cognitive deficits interfere with but do not preclude the patient's ability to carry out 3: Moderate: normal activities and social interactions. 4: Severe: Cognitive dysfunction precludes the patient's ability to carry out normal activities and social interactions.

1.2 HALLUCINATIO	SCORE	
Instructions to examinallucinations (spont auditory, tactile, olfactors) presence or fleeting sensations. Rate the thinking.		
	nts [and caregiver]: Over the past week have you seen, heard, smelled or felt really there? [If yes, examiner asks patient or caregiver to elaborate and on]	
0: Normal:	No hallucinations or psychotic behaviour.	
1: Slight:	Illusions or non-formed hallucinations, but patient recognizes them without loss of insight.	
2: Mild:	Formed hallucinations independent of environmental stimuli. No loss of insight.	
3: Moderate:	Formed hallucinations with loss of insight.	
4: Severe:	Patient has delusions or paranoia.	
1.3 DEPRESSED M	IOOD	
Instructions to exami loss of enjoyment. D interference with the	iner: Consider low mood, sadness, hopelessness, feelings of emptiness or etermine their presence and duration over the past week and rate their patient's ability to carry out daily routines and engage in social interactions.	
unable to enjoy thing difficult for you carry	tient (and caregiver): Over the past week have you felt low, sad, hopeless or as? If yes, was this feeling for longer than one day at a time? Did it make it out your usual activities or to be with people? If yes, examiner asks patient or the and probes for information]	
0: Normal:	No depressed mood.	
1: Slight:	Episodes of depressed mood that are not sustained for more than one day at a time. No interference with patient's ability to carry out normal activities and social interactions.	
2: Mild:	Depressed mood that is sustained over days, but without interference with normal activities and social interactions.	
3: Moderate:	Depressed mood that interferes with, but does not preclude, the patient's ability to carry out normal activities and social interactions.	
4: Severe:	Depressed mood precludes patient's ability to carry out normal activities and social interactions.	

1.4 ANXIOUS MOOD	SCORE				
<u>Instructions to examiner:</u> Determine nervous, tense, worried or anxious feelings (including panic attacks) over the past week and rate their duration and interference with the patient's ability to carry out daily routines and engage in social interactions.					
<u>Instructions to patients [and caregiver]:</u> Over the past week have you felt nervous, worried or tense? If yes, was this feeling for longer than one day at a time? Did it make it difficult for you to follow your usual activities or to be with other people? [If yes, examiner asks patient or caregiver to elaborate and probes for information.]					
0: Normal: No anxious feelings.					
1: Slight: Anxious feelings present but not sustained for more than one day at a time. No interference with patient's ability to carry out normal activities and social interactions.					
2: Mild: Anxious feelings are sustained over more than one day at a time, but without interference with patient's ability to carry out normal activities and social interactions.					
3: Moderate: Anxious feelings interfere with, but do not preclude, the patient's ability to carry out normal activities and social interactions.					
4: Severe: Anxious feelings preclude patient's ability to carry out normal activities and social interactions.					
1.5 APATHY					
<u>Instructions to examiner:</u> Consider level of spontaneous activity, assertiveness, motivation and initiative and rate the impact of reduced levels on performance of daily routines and social interactions. Here the examiner should attempt to distinguish between apathy and similar symptoms that are best explained by depression.					
<u>Instructions to patients (and caregiver):</u> Over the past week, have you felt indifferent to doing activities or being with people? If yes, examiner asks patient or caregiver to elaborate and probes for information.]					
0: Normal: No apathy.					
Slight: Apathy appreciated by patient and/or caregiver, but no interference with daily activities and social interactions.					
2: Mild: Apathy interferes with isolated activities and social interactions.					
3: Moderate: Apathy interferes with most activities and social interactions.					
4: Severe: Passive and withdrawn, complete loss of initiative.					

1.6 FEATURES OF DOPAMINE DYSREGULATION SYNDROME	SCORE
Instructions to examiner: Consider involvement in a variety of activities including at excessive gambling (e.g. casinos or lottery tickets), atypical or excessive sexual drinterests (e.g., unusual interest in pornography, masturbation, sexual demands on other repetitive activities (e.g. hobbies, dismantling objects, sorting or organizing), extra non-prescribed medication for non-physical reasons (i.e., addictive behavior) impact of such abnormal activities/behaviors on the patient's personal life and on his social relations (including need to borrow money or other financial difficulties like with credit cards, major family conflicts, lost time from work, or missed meals or sleep be activity). Instructions to patients [and caregiver]: Over the past week, have you had unusual urges that are hard to control? Do you feel driven to do or think about something a hard to stop? [Give patient examples such as gambling, cleaning, using the comprexital medicine, obsessing about food or sex, all depending on the patients.	ive or partner), or taking . Rate the his family and withdrawal of hecause of the hilly strong and find it
0: Normal: No problems present.	
Slight: Problems are present but usually do not cause any difficulties family/caregiver.	s for the patient or
Mild: Problems are present and usually cause a few difficulties in the and family life.	ne patient's personal
3: Moderate: Problems are present and usually cause a lot of difficulties in and family life.	the patient's personal
4: Severe: Problems are present and preclude the patient's ability to car activities or social interactions or to maintain previous standa family life. Problems are present and preclude the patient's ability to car activities or social interactions or to maintain previous standa family life.	
The remaining questions in Part I (Non-motor Experiences of Daily Living) [Slee Other Sensation, Urinary Problems, Constipation Problems, Lightheadedness or Patient Questionnaire along with all questions in Part II [Motor Expe	Standing, and Fatigue] are in the

	Patie	ent Questionnaire:
Instructions:		
This questionn	aire will ask you about	t your experiences of daily living.
•	•	ng to be thorough, and some of these questions may er. If you do not have the problem, simply mark 0 for NO.
Please read ea applies to you.	•	read all answers before selecting the one that best
patients can do	o things better at one ti each question, so pleas	usual function over the past week including today. Some ime of the day than at others. However, only one answer se mark the answer that best describes what you can do
•	kinson's disease from	ons besides Parkinson's disease. Do not worry about other conditions. Just answer the question with your
Use only 0, 1,	2, 3, 4 for answers, no	othing else. Do not leave any blanks.
	nurse can review the of their alone or with their	questions with you, but this questionnaire is for patients r caregivers.
Who is filling o	ut this questionnaire (d	check the best answer):
☐ Patient	☐ Caregiver	☐ Patient and Caregiver in Equal Proportion

Part	I: Non-Motor Aspects of Experiences of Daily Living (nM-EDL)	
1.7 SLEEP PROE	BLEMS	SCORE
•	k, have you had trouble going to sleep at night or staying asleep Consider how rested you felt after waking up in the morning.	
0: Normal:	No problems.	
1: Slight:	Sleep problems are present but usually do not cause trouble getting a full night of sleep.	
2: Mild:	Sleep problems usually cause some difficulties getting a full night of sleep.	
3: Moderate:	Sleep problems cause a lot of difficulties getting a full night of sleep, but I still usually sleep for more than half the night.	
4: Severe:	I usually do not sleep for most of the night.	
1.8 DAYTIME SL	EEPINESS	
Over the past wee	k, have you had trouble staying awake during the daytime?	
0: Normal:	No daytime sleepiness.	
1: Slight:	Daytime sleepiness occurs but I can resist and I stay awake.	
2: Mild:	Sometimes I fall asleep when alone and relaxing. For example, while reading or watching TV.	
3: Moderate:	I sometimes fall asleep when I should not. For example, while eating or talking with other people.	
4: Severe:	I often fall asleep when I should not. For example, while eating or talking with other people.	

1.9 P	AIN AND OTI	HER SENSATIONS	SCORE	
Over the past week, have you had uncomfortable feelings in your body like pain, aches tingling or cramps?				
0:	Normal:	No uncomfortable feelings.		
1:	Slight:	I have these feelings. However, I can do things and be with other people without difficulty.		
2:	Mild:	These feelings cause some problems when I do things or am with other people.		
3:	Moderate:	These feelings cause a lot of problems, but they do not stop me from doing things or being with other people.		
4:	Severe:	These feelings stop me from doing things or being with other people.		
1.10 L	JRINARY PR	OBLEMS		
	•	, have you had trouble with urine control? For example, an urgent eed to urinate too often, or urine accidents?		
0:	Normal:	No urine control problems.		
1:	Slight:	I need to urinate often or urgently. However, these problems do not cause difficulties with my daily activities.		
2:	Mild:	Urine problems cause some difficulties with my daily activities. However, I do not have urine accidents.		
3:	Moderate:	Urine problems cause a lot of difficulties with my daily activities, including urine accidents.		
4:	Severe:	I cannot control my urine and use a protective garment or have a bladder tube.		

1.11 CONSTIPATI	ON PROBLEMS	SCORE		
Over the past week have you had constipation troubles that cause you difficulty moving your bowels?				
0: Normal:	No constipation.			
1: Slight:	I have been constipated. I use extra effort to move my bowels. However, this problem does not disturb my activities or my being comfortable.			
2: Mild:	Constipation causes me to have some troubles doing things or being comfortable.			
3: Moderate:	Constipation causes me to have a lot of trouble doing things or being comfortable. However, it does not stop me from doing anything.			
4: Severe:	I usually need physical help from someone else to empty my bowels.			
1.12 LIGHT HEAD	PEDNESS ON STANDING			
Over the past week or lying down?	x, have you felt faint, dizzy or foggy when you stand up after sitting			
0: Normal:	No dizzy or foggy feelings.			
1: Slight:	Dizzy or foggy feelings occur. However, they do not cause me troubles doing things.			
2: Mild:	Dizzy or foggy feelings cause me to hold on to something, but I do not need to sit or lie back down.			
3: Moderate:	Dizzy or foggy feelings cause me to sit or lie down to avoid fainting or falling.			
4: Severe:	Dizzy or foggy feelings cause me to fall or faint.			

1.1	3 F	FATIGUE		SCORE
	Over the past week, have you usually felt fatigued? This feeling is <u>not</u> part of being sleepy or sad			
	0:	Normal:	No fatigue.	
	1:	Slight:	Fatigue occurs. However it does not cause me troubles doing things or being with people.	
	2:	Mild:	Fatigue causes me some troubles doing things or being with people.	
	3:	Moderate:	Fatigue causes me a lot of troubles doing things or being with people. However, it does not stop me from doing anything.	
	4:	Severe:	Fatigue stops me from doing things or being with people.	
		Part II: N	Notor Aspects of Experiences of Daily Living (M-EDL)	
2.1	SI	Part II: N	Notor Aspects of Experiences of Daily Living (M-EDL)	
		PEECH	Notor Aspects of Experiences of Daily Living (M-EDL) , have you had problems with your speech?	
	er tl	PEECH		
	er tl 0:	PEECH he past week	, have you had problems with your speech?	
	er tl 0: 1:	PEECH he past week Normal:	Not at all (no problems). My speech is soft, slurred or uneven, but it does not cause others	
	0: 1:	PEECH he past week Normal: Slight:	Not at all (no problems). My speech is soft, slurred or uneven, but it does not cause others to ask me to repeat myself. My speech causes people to ask me to occasionally repeat	
	0: 1: 2:	PEECH he past week Normal: Slight: Mild:	Not at all (no problems). My speech is soft, slurred or uneven, but it does not cause others to ask me to repeat myself. My speech causes people to ask me to occasionally repeat myself, but not everyday. My speech is unclear enough that others ask me to repeat myself	

2.2 SALIVA & DRO	OOLING	SCORE	
Over the past week, have you usually had too much saliva during when you are awake or when you sleep?			
0: Normal:	Not at all (no problems).		
1: Slight:	I have too much saliva, but do not drool.		
2: Mild:	I have some drooling during sleep, but none when I am awake.		
3: Moderate:	I have some drooling when I am awake, but I usually do not need tissues or a handkerchief.		
4: Severe:	I have so much drooling that I regularly need to use tissues or a handkerchief to protect my clothes.		
2.3 CHEWING AND	O SWALLOWING		
•	have you usually had problems swallowing pills or eating meals? ills cut or crushed or your meals to be made soft, chopped or oking?		
0: Normal:	No problems.		
1: Slight:	I am aware of slowness in my chewing or increased effort at swallowing, but I do not choke or need to have my food specially prepared.		
2: Mild:	I need to have my pills cut or my food specially prepared because of chewing or swallowing problems, but I have not choked over the past week.		
3: Moderate.	I choked at least once in the past week.		
4: Severe:	Because of chewing and swallowing problems, I need a feeding tube.		

2.4	EATING TAS	KS	SCORE	
eat	Over the past week, have you usually had troubles handling your food and using eating utensils? For example, do you have trouble handling finger foods or using forks, knifes, spoons, chopsticks?			
	0: Normal:	Not at all (No problems).		
	1: Slight:	I am slow, but I do not need any help handling my food and have not had food spills while eating.		
	2: Mild:	I am slow with my eating and have occasional food spills. I may need help with a few tasks such as cutting meat.		
	3: Moderate:	I need help with many eating tasks but can manage some alone.		
	4: Severe:	I need help for most or all eating tasks.		
Ove slov	•	k, have you usually had problems dressing? For example, are you ed help with buttoning, using zippers, putting on or taking off your		
	0: Normal:	Not at all (no problems).		
	1: Slight:	I am slow but I do not need help.		
	2: Mild:	I am slow and need help for a few dressing tasks (buttons, bracelets).		
	3: Moderate:	I need help for many dressing tasks.		
	4: Severe:	I need help for most or all dressing tasks.		

2.6	HYGIENE		SCORE	
	Over the past week, have you usually been slow or do you need help with washing, bathing, shaving, brushing teeth, combing your hair or with other personal hygiene?			
	0: Normal:	Not at all (no problems).		
	1: Slight:	I am slow but I do not need any help.		
	2: Mild:	I need someone else to help me with some hygiene tasks.		
	3: Moderate:	I need help for many hygiene tasks.		
	4: Severe:	I need help for most or all of my hygiene tasks.		
2.7	HANDWRITIN	IG		
Ove	er the past weel	k, have people usually had trouble reading your handwriting?		
	0: Normal:	Not at all (no problems).		
	1: Slight:	My writing is slow, clumsy or uneven, but all words are clear.		
	2: Mild:	Some words are unclear and difficult to read.		
	3: Moderate:	Many words are unclear and difficult to read.		
	4: Severe:	Most or all words cannot be read.		
2.8	DOING HOBB	SIES AND OTHER ACTIVITIES		
	er the past week t you like to do?	k, have you usually had trouble doing your hobbies or other things		
	0: Normal:	Not at all (no problems).		
	1: Slight:	I am a bit slow but do these activities easily.		
	2: Mild:	I have some difficulty doing these activities.		
	3: Moderate:	I have major problems doing these activities, but still do most.		
	4: Severe:	I am unable to do most or all of these activities.		

2.9 TURNING IN E	BED	SCORE		
Over the past week	Over the past week, do you usually have trouble turning over in bed?			
0: Normal:	Not at all (no problems).			
1: Slight:	I have a bit of trouble turning, but I do not need any help.			
2: Mild	I have a lot of trouble turning and need occasional help from someone else.			
3: Moderate:	To turn over I often need help from someone else.			
4: Severe:	I am unable to turn over without help from someone else.			
2.10 TREMOR				
Over the past week	k, have you usually had shaking or tremor?			
0: Normal:	Not at all. I have no shaking or tremor.			
1: Slight:	Shaking or tremor occurs but does not cause problems with any activities.			
2: Mild:	Shaking or tremor causes problems with only a few activities.			
3: Moderate:	Shaking or tremor causes problems with many of my daily activities.			
4: Severe:	Shaking or tremor causes problems with most or all activities.			
2.11 GETTING OU	JT OF BED, A CAR, OR A DEEP CHAIR			
Over the past week deep chair?	k, have you usually had trouble getting out of bed, a car seat, or a			
0: Normal:	Not at all (no problems).			
1: Slight:	I am slow or awkward, but I usually can do it on my first try.			
2: Mild:	I need more than one try to get up or need occasional help.			
3: Moderate:	I sometimes need help to get up, but most times I can still do it on my own.			
4: Severe:	I need help most or all of the time.			

2.12	2 V	VALKING AN	ND BALANCE	SCORE
Ove	er th	ne past week	, have you usually had problems with balance and walking?	
	0:	Normal:	Not at all (no problems).	
	1:	Slight:	I am slightly slow or may drag a leg. I never use a walking aid.	
	2:	Mild:	I occasionally use a walking aid, but I do not need any help from another person.	
	3:	Moderate:	I usually use a walking aid (cane, walker) to walk safely without falling. However, I do not usually need the support of another person.	
	4:	Severe:	I usually use the support of another persons to walk safely without falling.	
2.13	3 F	REEZING		
		•	, on your usual day when walking, do you suddenly stop or freeze tuck to the floor.	
	0:	Normal:	Not at all (no problems).	
	1:	Slight:	I briefly freeze but I can easily start walking again. I do not need help from someone else or a walking aid (cane or walker) because of freezing.	
	2:	Mild:	I freeze and have trouble starting to walk again, but I do not need someone's help or a walking aid (cane or walker) because of freezing.	
	3:	Moderate:	When I freeze I have a lot of trouble starting to walk again and, because of freezing, I sometimes need to use a walking aid or need someone else's help.	
	4:	Severe:	Because of freezing, most or all of the time, I need to use a walking aid or someone's help.	
and	This completes the questionnaire. We may have asked about problems you do not even have, and may have mentioned problems that you may never develop at all. Not all patients develop all these problems, but because they can occur, it is important to ask all the questions to every patient. Thank you for your time and attention in completing this questionnaire.			

Part III: Motor Examination				
Overview: This portion of the scale assesses the motor signs of PD. In administering Part III of the MDS-UPDRS the examiner should comply with the following guidelines: At the top of the form, mark whether the patient is on medication for treating the symptoms of Parkinson's disease and, if on levodopa, the time since the last dose. Also, if the patient is receiving medication for treating the symptoms of Parkinson's Disease, mark the patient's clinical state using the following definitions: ON is the typical functional state when patients are receiving medication and have a good response. OFF is the typical functional state when patients have a poor response in spite of taking medications.				
The investigator should "rate what you see". Admittedly, concurrent medical problems such as stroke, paralysis, arthritis, contracture, and orthopedic problems such as hip or knee replacement and scoliosis may interfere with individual items in the motor examination. In situations where it is absolutely impossible to test (e.g., amputations, plegia, limb in a cast), use the notation " UR " for Unable to Rate. Otherwise, rate the performance of each task as the patient performs in the context of co-morbidities.				
All items must have an integer rating (no half points, no missing ratings).				
Specific instructions are provided for the testing of each item. These should be followed in all instances. The investigator demonstrates while describing tasks the patient is to perform and rates function immediately thereafter. For Global Spontaneous Movement and Rest Tremor items (3.14 and 3.17), these items have been placed purposefully at the end of the scale because clinical information pertinent to the score will be obtained throughout the entire examination.				
At the end of the rating, indicate if dyskinesia (chorea or dystonia) was present at the time of the examination, and if so, whether these movements interfered with the motor examination.				
3a Is the patient on medication for treating the symptoms of Parkinson's Disease?				
3b If the patient is receiving medication for treating the symptoms of Parkinson's Disease, mark the patient's clinical state using the following definitions:				
\square ON: On is the typical functional state when patients are receiving medication and have a good response.				
OFF: Off is the typical functional state when patients have a poor response in spite of taking medications.				
3c Is the patient on Levodopa? ☐ No ☐ Yes				
3.C1 If yes, minutes since last levodopa dose:				

3.1 SPEECH	SCORE		
Instructions to examiner: Listen to the patient's free-flowing speech and engage in conversation if necessary. Suggested topics: ask about the patient's work, hobbies, exercise, or how he got to the doctor's office. Evaluate volume, modulation (prosody) and clarity, including slurring, palilalia (repetition of syllables) and tachyphemia (rapid speech, running syllables together).			
0: Normal: No speech problems.			
1: Slight: Loss of modulation, diction or volume, but still all words easy to understand.			
Loss of modulation, diction, or volume, with a few words unclear, but the overall sentences easy to follow.			
3: Moderate: Speech is difficult to understand to the point that some, but not most, sentences are poorly understood.	,		
4: Severe: Most speech is difficult to understand or unintelligible.			
3.2 FACIAL EXPRESSION			
Instructions to examiner: Observe the patient sitting at rest for 10 seconds, without talking and also while talking. Observe eye-blink frequency, masked facies or loss of facial expression, spontaneous smiling and parting of lips.			
0: Normal: Normal facial expression.			
1: Slight: Minimal masked facies manifested only by decreased frequency of blinking.			
Mild: In addition to decreased eye-blink frequency, Masked facies present in the lower face as well, namely fewer movements around the mouth, such as less spontaneous smiling, but lips not parted.			
3: Moderate: Masked facies with lips parted some of the time when the mouth is at rest.			
4: Severe: Masked facies with lips parted most of the time when the mouth is at rest.			

3.3 RIGIDITY	SCORE
Instructions to examiner: Rigidity is judged on slow passive movement of major joints with a relaxed position and the examiner manipulating the limbs and neck. First, test without a maneuver. Test and rate neck and each limb separately. For arms, test the wrist and elb simultaneously. For legs, test the hip and knee joints simultaneously. If no rigidity is detect activation maneuver such as tapping fingers, fist opening/closing, or heel tapping in a limb tested. Explain to the patient to go as limp as possible as you test for rigidity.	an activation ow joints sted, use an
0: Normal: No rigidity.	
1: Slight: Rigidity only detected with activation maneuver.	
Rigidity detected without the activation maneuver, but full range of mo achieved.	otion is easily RUE
3: Moderate: Rigidity detected without the activation maneuver; full range of motion with effort.	n is achieved
4: Severe: Rigidity detected without the activation maneuver and full range of mo	otion not LUE
	RLE
	LLE
3.4 FINGER TAPPING	
<u>Instructions to examiner</u> : Each hand is tested separately. Demonstrate the task, but do not perform the task while the patient is being tested. Instruct the patient to tap the index fing thumb 10 times as quickly AND as big as possible. Rate each side separately, evaluating amplitude, hesitations, halts and decrementing amplitude.	er on the
0: Normal: No problems.	
1: Slight: Any of the following: a) the regular rhythm is broken with one or two hesitations of the tapping movement; b) slight slowing; c) the amplitude near the end of the 10 taps.	
2: Mild: Any of the following: a) 3 to 5 interruptions during tapping; b) mild slow amplitude decrements midway in the 10-tap sequence.	wing; c) the
3: Moderate: Any of the following: a) more than 5 interruptions during tapping or at longer arrest (freeze) in ongoing movement; b) moderate slowing; c) decrements starting after the 1st tap.	
4: Severe: Cannot or can only barely perform the task because of slowing, interr decrements.	uptions or

3.5 HAND MOVEN	MENTS	SCORE
perform the task wh bent at the elbow so AND as quickly as p	niner: Test each hand separately. Demonstrate the task, but do not continue to nile the patient is being tested. Instruct the patient to make a tight fist with the arm to that the palm faces the examiner. Have the patient open the hand 10 times as fully possible. If the patient fails to make a tight fist or to open the hand fully, remind him/each side separately, evaluating speed, amplitude, hesitations, halts and itude.	
0: Normal:	No problem.	
1: Slight:	Any of the following: a) the regular rhythm is broken with one or two interruptions or hesitations of the movement; b) slight slowing; c) the amplitude decrements near the end of the task.	R
2: Mild:	Any of the following: a) 3 to 5 interruptions during the movements; b) mild slowing; c) the amplitude decrements midway in the task.	
3: Moderate:	Any of the following: a) more than 5 interruptions during the movement or at least one longer arrest (freeze) in ongoing movement; b) moderate slowing; c) the amplitude decrements starting after the 1st open-and-close sequence.	L
4: Severe:	Cannot or can only barely perform the task because of slowing, interruptions or decrements.	
perform the task wh his/her body with the	niner. Test each hand separately. Demonstrate the task, but do not continue to ille the patient is being tested. Instruct the patient to extend the arm out in front of e palms down; then to turn the palm up and down alternately 10 times as fast and as ate each side separately, evaluating speed, amplitude, hesitations, halts and tude.	
0: Normal:	No problems.	
1: Slight:	Any of the following: a) the regular rhythm is broken with one or two interruptions or hesitations of the movement; b) slight slowing; c) the amplitude decrements near the end of the sequence.	
2: Mild:	Any of the following: a) 3 to 5 interruptions during the movements; b) mild slowing; c) the amplitude decrements midway in the sequence.	R
3: Moderate:	Any of the following: a) more than 5 interruptions during the movement or at least one longer arrest (freeze) in ongoing movement; b) moderate slowing c) the amplitude decrements starting after the 1st supination-pronation sequence.	
4: Severe:	Cannot or can only barely perform the task because of slowing, interruptions or decrements.	L

3.7 TO	E TAPPING		SCORE
Test ea patient then tap	ch foot sepa is being test the toes 10	niner: Have the patient sit in a straight-backed chair with arms, both feet on the floor. In a straight-backed chair with arms, both feet on the floor. In a compostrate the task, but do not continue to perform the task while the ed. Instruct the patient to place the heel on the ground in a comfortable position and it times as big and as fast as possible. Rate each side separately, evaluating speed, ns, halts and decrementing amplitude.	
0:	Normal:	No problem.	
1:	Slight:	Any of the following: a) the regular rhythm is broken with one or two interruptions or hesitations of the tapping movement; b) slight slowing; c) amplitude decrements near the end of the ten taps.	R
2:	Mild:	Any of the following: a) 3 to 5 interruptions during the tapping movements; b) mild slowing; c) amplitude decrements midway in the task.	
3:	Moderate:	Any of the following: a) more than 5 interruptions during the tapping movements or at least one longer arrest (freeze) in ongoing movement; b) moderate slowing; c) amplitude decrements after the first tap.	
4:	Severe:	Cannot or can only barely perform the task because of slowing, interruptions or decrements.	L
Instruct have be continu ground as fast	oth feet comf e to perform in a comfort	niner: Have the patient sit in a straight-backed chair with arms. The patient should fortably on the floor. Test each leg separately. Demonstrate the task, but do not the task while the patient is being tested. Instruct the patient to place the foot on the able position and then raise and stomp the foot on the ground 10 times as high and Rate each side separately, evaluating speed, amplitude, hesitations, halts and tude.	
0:	Normal:	No problems.	
1:	Slight:	Any of the following: a) the regular rhythm is broken with one or two interruptions or hesitations of the movement; b) slight slowing; c) amplitude decrements near the end of the task.	R
2:	Mild:	Any of the following: a) 3 to 5 interruptions during the movements; b) mild slowness; c) amplitude decrements midway in the task.	·`
3:	Moderate:	Any of the following: a) more than 5 interruptions during the movement or at least one longer arrest (freeze) in ongoing movement; b) moderate slowing in speed; c) amplitude decrements after the first tap.	
4:	Severe:	Cannot or can only barely perform the task because of slowing, interruptions or decrements.	L

3.9 AF	RISING FROM C	CHAIR	SCORE
floor ar across up to to arms fo to push	nd sitting back in the chest and the vo more times. olded across the n off using his/he	Have the patient sit in a straight-backed chair with arms, with both feet on the the chair (if the patient is not too short). Ask the patient to cross his/her arms nen to stand up. If the patient is not successful, repeat this attempt a maximum of still unsuccessful, allow the patient to move forward in the chair to arise with chest. Allow only one attempt in this situation. If unsuccessful, allow the patient or hands on the arms of the chair. Allow a maximum of three trials of pushing off. sesist the patient to arise. After the patient stands up, observe the posture for item	
0:	Normal:	No problems. Able to arise quickly without hesitation.	
1:	Slight:	Arising is slower than normal; or may need more than one attempt; or may need to move forward in the chair to arise. No need to use the arms of the chair.	
2:	Mild:	Pushes self up from arms of chair without difficulty.	
3:	Moderate:	Needs to push off, but tends to fall back; or may have to try more than one time using arms of chair, but can get up without help.	
4:	Severe:	Unable to arise without help.	
towards simulta examin strike d item 3.7 0:	tions to examine s the examiner s neously. The paer. This item me uring walking, tu	er: Testing gait is best performed by having the patient walking away from and that both right and left sides of the body can be easily observed atient should walk at least 10 meters (30 feet), then turn around and return to the easures multiple behaviors: stride amplitude, stride speed, height of foot lift, heel trning, and arm swing, but not freezing. Assess also for "freezing of gait" (next is walking. Observe posture for item 3.13 No problems. Independent walking with minor gait impairment.	
3:	Moderate:	Requires an assistance device for safe walking (walking stick, walker) but not a person.	
4:	Severe:	Cannot walk at all or only with another person's assistance.	

3.11	FREEZING OF	GAIT	SCORE
episo the e	des. Observe fo	ner: While assessing gait, also assess for the presence of any gait freezing or start hesitation and stuttering movements especially when turning and reaching to the extent that safety permits, patients may NOT use sensory tricks during the	
(): Normal:	No freezing.	
	1: Slight:	Freezes on starting, turning or walking through doorway with a single halt during any of these events, but then continues smoothly without freezing during straight walking.	
:	2: Mild:	Freezes on starting, turning or walking through doorway with more than one halt during any of these activities, but continues smoothly without freezing during straight walking.	
;	3: Moderate:	Freezes once during straight walking.	
•	4: Severe:	Freezes multiple times during straight walking.	
comfethe paragraph observation allocation backvarating test sathe	ortably apart and atient on what is atient on what is provided the number of the numbe	the shoulders while the patient is standing erect with eyes open and feet parallel to each other. Test retropulsion. Stand behind the patient and instruct about to happen. Explain that s/he is allowed to take a step backwards to avoid be a solid wall behind the examiner, at least 1-2 meters away to allow for the mber of retropulsive steps. The first pull is an instructional demonstration and is not rated. The second time the shoulders are pulled briskly and forcefully towards ough force to displace the center of gravity so that patient MUST take a step miner needs to be ready to catch the patient, but must stand sufficiently back so as for the patient to take several steps to recover independently. Do not allow the y abnormally forward in anticipation of the pull. Observe for the number of steps Up to and including two steps for recovery is considered normal, so abnormal see steps. If the patient fails to understand the test, the examiner can repeat the is based on an assessment that the examiner feels reflects the patient's limitations standing or lack of preparedness. Observe standing posture for item 3.13 No problems: Recovers with one or two steps. 3-5 steps, but subject recovers unaided. More than 5 steps, but subject recovers unaided. Stands safely, but with absence of postural response; falls if not caught by examiner.	
	4: Severe:	Very unstable, tends to lose balance spontaneously or with just a gentle pull on the shoulders.	

3.13 POSTURE		SCORE
during walking, and while be to stand up straight and see	Posture is assessed with the patient standing erect after arising from a chair, being tested for postural reflexes. If you notice poor posture, tell the patient e if the posture improves (see option 2 below). Rate the worst posture seen points. Observe for flexion and side-to-side leaning.	
0: Normal: No p	problems.	
1: Slight: Not o	quite erect, but posture could be normal for older person.	
	nite flexion, scoliosis or leaning to one side, but patient can correct posture to nal posture when asked to do so.	
	ped posture, scoliosis or leaning to one side that cannot be corrected onally to a normal posture by the patient.	
4: Severe: Flexi	ion, scoliosis or leaning with extreme abnormality of posture.	
	EITY OF MOVEMENT (BODY BRADYKINESIA)	
small amplitude and poverty the legs. This assessment	This global rating combines all observations on slowness, hesitancy, and by of movement in general, including a reduction of gesturing and of crossing is based on the examiner's global impression after observing for e sitting, and the nature of arising and walking.	
0: Normal: No p	problems.	
1: Slight: Sligh	ht global slowness and poverty of spontaneous movements.	
2: Mild: Mild	d global slowness and poverty of spontaneous movements.	
3: Moderate: Mod	derate global slowness and poverty of spontaneous movements.	
4: Severe: Sev	vere global slowness and poverty of spontaneous movements.	
3.15 POSTURAL TREMOI	R OF THE HANDS	
	Il tremor, including re-emergent rest tremor, that is present in this posture is	
to be included in this rating.	. Rate each hand separately. Rate the highest amplitude seen. Instruct the out in front of the body with palms down. The wrist should be straight and	
	earated so that they do not touch each other. Observe this posture for 10	
0: Normal: No t	tremor.	R
1: Slight: Trer	mor is present but less than 1 cm in amplitude.	
2: Mild: Trer	mor is at least 1 but less than 3 cm in amplitude.	
3: Moderate: Trer	mor is at least 3 but less than 10 cm in amplitude.	
4: Severe: Trer	mor is at least 10 cm in amplitude.	Ľ

3.16	6 KINETIC TREM	OR OF THE HANDS	SCORE
outs read perf with	stretched position, ching as far as pos formed slowly enou the other hand, ra	er: This is tested by the finger-to-nose maneuver. With the arm starting from the have the patient perform at least three finger-to-nose maneuvers with each hand sible to touch the examiner's finger. The finger-to-nose maneuver should be ugh not to hide any tremor that could occur with very fast arm movements. Repeat ating each hand separately. The tremor can be present throughout the movement les either target (nose or finger). Rate the highest amplitude seen.	
	0: Normal:	No tremor.	
	1: Slight:	Tremor is present but less than 1 cm in amplitude.	R
	2: Mild:	Tremor is at least 1 but less than 3 cm in amplitude.	
	3: Moderate:	Tremor is at least 3 but less than 10 cm in amplitude.	
	4: Severe:	Tremor is at least 10 cm in amplitude.	
3.17	7 REST TREMOF	R AMPLITUDE	
exa the mov Rate As p cha dire	mination to allow the exam, including which wing but others are enable only the amplitude oart of this rating, the lap are tives. Rest tremosting to allow the lap are tives.	er: This and the next item have been placed purposefully at the end of the he rater to gather observations on rest tremor that may appear at any time during hen quietly sitting, during walking and during activities when some body parts are at rest. Score the maximum amplitude that is seen at any time as the final score. He and not the persistence or the intermittency of the tremor. He patient should sit quietly in a chair with the hands placed on the arms of the not the feet comfortably supported on the floor for 10 seconds with no other or is assessed separately for all four limbs and also for the lip/jaw. Rate only the nat is seen at any time as the final rating.	RUE
	Extremity ratings		
	0: Normal:	No tremor.	LUE
	1: Slight.:	≤ 1 cm in maximal amplitude.	
	2: Mild:	> 1 cm but < 3 cm in maximal amplitude.	
	3: Moderate:	3 - 10 cm in maximal amplitude.	
	4: Severe:	> 10 cm in maximal amplitude.	RLE
	Lip/Jaw ratings		
	0: Normal:	No tremor.	LLE
	1: Slight:	≤ 1 cm in maximal amplitude.	
	2: Mild:	> 1 cm but ≤ 2 cm in maximal amplitude.	
	3: Moderate:	> 2 cm but ≤ 3 cm in maximal amplitude.	Lip/Jaw
	4: Severe:	> 3 cm in maximal amplitude.	

3.18 CONSTANC	OF REST TREMOR	SCORE	
Instructions to examiner: This item receives one rating for all rest tremor and focuses on the constancy of rest tremor during the examination period when different body parts are variously at rest. It is rated purposefully at the end of the examination so that several minutes of information can be coalesced into the rating.			
0: Normal:	No tremor.		
1: Slight:	Tremor at rest is present ≤ 25% of the entire examination period.		
2: Mild:	Tremor at rest is present 26-50% of the entire examination period.		
3: Moderate:	Tremor at rest is present 51-75% of the entire examination period.		
4: Severe:	Tremor at rest is present > 75% of the entire examination period.		
A. Were dysk	ACT ON PART III RATINGS inesias (chorea or dystonia) present during examination? No Yes these movements interfere with your ratings? No Yes		
2: Bilateral inv 3: Mile to mod assistance 4: Severe disa			

Motor Complicat	ions
 Motor Complicat 	ion

Overview and Instructions: In this section, the rater uses historical and objective information to assess two motor complications, dyskinesias and motor fluctuations that include OFF-state dystonia. Use all information from patient, caregiver, and the examination to answer the six questions that summarize function over the past week including today. As in the other sections, rate using only integers (no half points allowed) and leave no missing ratings. If the item cannot be rated, place UR for Unable to Rate. You will need to choose some answers based on percentages, and therefore you will need to establish how many hours generally are awake hours and use this figure as the denominator for "OFF" time and Dyskinesias. For "OFF dystonia", the total "Off" time will be the denominator. Operational definitions for examiner's use.

Dyskinesias: Involuntary random movements

Words that patients often recognize for dyskinesias include "irregular jerking", "wiggling", "twitching". It is essential to stress to the patient the difference between dyskinesias and tremor, a common error when patients are assessing dyskinesias.

Dystonia: contorted posture, often with a twisting component:

Words that patients often recognize for dystonia include "spasms", "cramps", "posture".

Motor fluctuation: Variable response to medication:

Words that patients often recognize for motor fluctuation include "wearing out", "wearing off", "roller-coaster effect", "on-off", "uneven medication effects".

OFF: Typical functional state when patients have a poor response in spite of taking mediation or the typical functional response when patients are on NO treatment for parkinsonism. Words that patients often recognize include "low time", "bad time", "shaking time", "slow time", "time when my medications don't work."

ON: Typical functional state when patients are receiving medication and have a good response:

Words that patients often recognize include "good time", "walking time", "time when my medications work."

A. DYSKINESIAS [exclusive of OFF-state dystonia]

4.1 TIME SPENT WIT	TH DYSKINESIAS		SCORE	
Instructions to examiner: Determine the hours in the usual waking day and then the hours of dyskinesias. Calculate the percentage. If the patient has dyskinesias in the office, you can point them out as a reference to ensure that patients and caregivers understand what they are rating. You may also use your own acting skills to enact the dyskinetic movements you have seen in the patient before or show them dyskinetic movements typical of other patients. Exclude from this question early morning and nighttime painful dystonia.				
Instructions to patient [and caregiver]. Over the past week, how many hours do you usually sleep on a daily basis, including nighttime sleep and daytime napping? Alright, if you sleep hrs, you are awake				
		total do you have wiggling, twitching or jerking nor, which is a regular back and forth shaking		
or times when you have	ve painful foot cramps or spasms in	the early morning or at nighttime. I will ask		
about those later. Concentrate only on these types of wiggling, jerking and irregular movements. Add up all the time during the waking day when these usually occur. How many hours (use this				
number for your calculation).				
0: Normal: No dyskinesias.				
1: Slight:	≤ 25% of waking day.			
2: Mild:	26 - 50% of waking day.	Total Hours Awake:		
3: Moderate:	51 - 75% of waking day.	Total Hours with Dyskinesia:		
4: Severe:	> 75% of waking day.	3. % Dyskinesia = ((2/1)*100):		

4.2 FUNCTIONAL IMPACT OF DYSKINESIAS			SCORE		
function in terms of a question and your ow Instructions to patien	<u>In observations during the office visit to a</u> t [and caregiver]: Over the past week, did en these jerking movements occurred? I	patient's and caregiver's response to your urive at the best answer. I you usually have trouble doing things or			
0: Normal:		nesias on activities or social interactions.			
1: Slight:	Dyskinesias impact on a few activities				
2: Mild:	Dyskinesias impact on many activities activities and participates in all social	s, but the patient usually performs all interactions during dyskinetic periods.			
3: Moderate:	3: Moderate: Dyskinesias impact on activities to the point that the patient usually does not perform some activities or does not usually participate in some social activities during dyskinetic episodes.				
4: Severe:	4: Severe: Dyskinesias impact on function to the point that the patient usually does not perform most activities or participate in most social interactions during dyskinetic episodes.				
	B . MOTOR FLUC	TUATIONS			
spent in the "OFF" state can point to this state typical OFF period. A seen in the patient be number of OFF hours Instructions to patient from their medications but she call these low periods	ner: Use the number of waking hours derivate. Calculate the percentage. If the patients as a reference. You may also use your kinditionally you may use your own acting a fore or show them OFF function typical of the percentage o	ent has an OFF period in the office, you nowledge of the patient to describe a skills to enact an OFF period you have f other patients. Mark down the typical completing 4.6 arkinson's disease have a good effect fall that "ON" time. Other patients take he, slow time or shaking time. Doctors of the different marking time and the different hat you are generally awake in total do you usually have this type of			
0: Normal: No OFF time.					
1: Slight:	1: Slight: ≤ 25% of waking day.				
2: Mild:	26 - 50% of waking day.				
3: Moderate:	51 - 75% of waking day.	Total Hours Awake:			
4: Severe:	> 75% of waking day.	2. Total Hours OFF:			
		3. % OFF = ((2/1)*100):			

4.4 FUNCTIONAL IMPACT OF FLUCTUATIONS				
Instructions to examiner: Determine the degree to which motor fluctuations impact on the patient's daily function in terms of activities and social interactions. This question concentrates on the difference between the ON state and the OFF state. If the patient has no OFF time, the rating must be 0, but if patients have very mild fluctuations, it is still possible to be rated 0 on this item if no impact on activities occurs. Use the patient's and caregiver's response to your question and your own observations during the office visit to arrive at the best answer.				
the past week. Do you the rest of the day when	and caregiver]: Think about when those low or "OFF" periods have occurred over usually have more problems doing things or being with people than compared to n you feel your medications working? Are there some things you usually do at you have trouble with or stop doing during a low period?			
0: Normal:	No fluctuations or No impact by fluctuations on performance of activities or social interactions.			
1: Slight:	Fluctuations impact on a few activities, but during OFF, the patient usually performs all activities and participates in all social interactions that typically occur during the ON state.			
2: Mild:	Fluctuations impact many activities, but during OFF, the patient still usually performs all activities and participates in all social interactions that typically occur during the ON state.			
3: Moderate:	Fluctuations impact on the performance of activities during OFF to the point that the patient usually does not perform some activities or participate in some social interactions that are performed during ON periods.			
4: Severe:	Fluctuations impact on function to the point that, during OFF, the patient usually does not perform most activities or participate in most social interactions that are performed during ON periods.			
4.5 COMPLEXITY OF	MOTOR FLUCTUATIONS			
of day, food intake or or supplement with your of a special time, mostly of from mild), only someting	br: Determine the usual predictability of OFF function whether due to dose, time ther factors. Use the information provided by the patients and caregiver and two observations. You will ask if the patient can count on them always coming at coming at a special time (in which case you will probe further to separate slight mes coming at a special time or are they totally unpredictable? Narrowing down we you to find the correct answer.			
<u>Instructions to patient [and caregiver]:</u> For some patients, the low or "OFF" periods happen at certain times during day or when they do activities like eating or exercising. Over the past week, do you usually know when your low periods will occur? In other words, do your low periods <u>always</u> come at a certain time? Do they <u>mostly</u> come at a certain time? Do they <u>only sometimes</u> come at a certain time? Are your low periods totally unpredictable?"				
0: Normal: No	o motor fluctuations.			
1: Slight: O	FF times are predictable all or almost all of the time (> 75%).			
2: Mild: O	FF times are predictable most of the time (51-75%).			
3: Moderate: O	FF times are predictable some of the time (26-50%).			
4: Severe: O	FF episodes are rarely predictable. (≤ 25%).			

C. "OFF" DYSTONIA				
### A.6 PAINFUL OFF-STATE DYSTONIA Instructions to examiner: For patients who have motor fluctuations, determine what proportion of the OFF episodes usually includes painful dystonia? You have already determined the number of hours of "OFF" time (4.3). Of these hours, determine how many are associated with dystonia and calculate the percentage. If there is no OFF time, mark 0. Instructions to patient [and caregiver]: In one of the questions I asked earlier, you said you generally have hours of low or "OFF" time when your Parkinson's disease is under poor control. During these low or "OFF" periods, do you usually have painful cramps or spasms? Out of the total hrs of this low time, if you add up all the time in a day when these painful cramps come, how many hours would this make? 1. Slight: \(\leq 25\)% of time in OFF state. 2. Mild: \(26-50\)% of time in OFF state. 3. Moderate: \(51-75\)% of time in OFF state. 4. Severe: \(> 75\)% of time in OFF state. 1. Total Hours Off: 2. Total Off Hours w/Dystonia: 3. % Off Dystonia = ((2/1)*100):				
Summary statement to patient: READ TO PATIENT This completes my rating of your Parkinson's disease. I know the questions and tasks have taken several minutes, but I wanted to be complete and cover all possibilities. In doing so, I may have asked about problems you do not even have, and I may have mentioned problems that you may never develop at all. Not all patients develop all these problems, but because they can occur, it is important to ask all the questions to every patient. Thank you for your time and attention in completing this scale with me.				

		<u> </u>	
Patient Name or Subject ID	Site ID	(mm-dd-yyyy) Assessment Date	Investigator's Initials

MDS UPDRS Score Sheet

	Patient	3.3b	Rigidity– RUE		
1.A Source of information		Caregiver Patient + Caregiver	3.3c	Rigidity– LUE	
Part I		3.3d	Rigidity– RLE		
1.1	Cognitive impairment		3.3e	Rigidity- LLE	
1.2	Hallucinations and psychosis		3.4a	Finger tapping- Right hand	
1.3	Depressed mood		3.4b	Finger tapping– Left hand	
1.4	Anxious mood		3.5a	Hand movements- Right hand	
1.5	Apathy		3.5b	Hand movements- Left hand	
1.6	Features of DDS		3.6a	Pronation- supination movements- Right hand	
1.6a	Who is filling out questionnaire	Patient Caregiver	3.6b	Pronation- supination movements- Left hand	
1.00	Trio io iiiiiig out quodioiiiaiio	Patient + Caregiver	3.7a	Toe tapping-Right foot	
1.7	Sleep problems		3.7b	Toe tapping- Left foot	
1.8	Daytime sleepiness		3.8a	Leg agility- Right leg	
1.9	Pain and other sensations		3.8b	Leg agility- Left leg	
1.10	Urinary problems		3.9	Arising from chair	
1.11	Constipation problems		3.10	Gait	
1.12	Light headedness on standing		3.11	Freezing of gait	
1.13	Fatigue		3.12	Postural stability	
Part I			3.13	Posture	
2.1	Speech		3.14	Global spontaneity of movement	
2.2	Saliva and drooling		3.15a	Postural tremor– Right hand	
2.3	Chewing and swallowing		3.15b	Postural tremor– Left hand	
2.4	Eating tasks		3.16a	Kinetic tremor– Right hand	
2.5	Dressing		3.16b	Kinetic tremor– Left hand	
2.6	Hygiene		3.17a	Rest tremor amplitude– RUE	
2.7	Handwriting		3.17b	Rest tremor amplitude- LUE	
2.8	Doing hobbies and other activities		3.17c	Rest tremor amplitude– RLE	
2.9	Turning in bed		3.17d	Rest tremor amplitude- LLE	
2.10	Tremor		3.17e	Rest tremor amplitude- Lip/jaw	
2.11	Getting out of bed		3.18	Constancy of rest	
2.12	Walking and balance			Were dyskinesias present?	□ No □Yes
2.13	Freezing			Did these movements interfere with ratings?	☐ No ☐Yes
3a	Is the patient on medication?	□ No □ Yes		Hoehn and Yahr Stage	
3b	Patient's clinical state	☐Off ☐ On	Part IV	/	
3с	Is the patient on Levodopa?	□No □Yes	4.1	Time spent with dyskinesias	
3.C1	If yes, minutes since last dose:		4.2	Functional impact of dyskinesias	
Part I	II	ı	4.3	Time spent in the OFF state	
3.1	Speech		4.4	Functional impact of fluctuations	
3.2	Facial expression		4.5	Complexity of motor fluctuations	
3.3a	Rigidity– Neck		4.6	Painful OFF-state dystonia	

July 1, 2008